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(54) Title: FILTRATION MEMBRANE AND METHOD OF PRODUCTION THEREOF

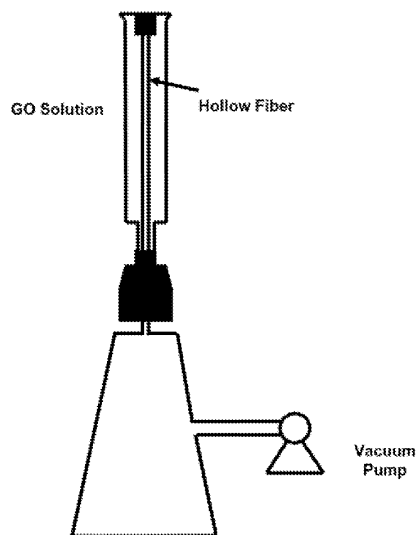


Figure 6

(57) Abstract: A composite membrane is disclosed that comprises a porous polyvinylidene fluoride (PVDF), polytetrafluoroethylene (PTFE) or nitrocellulose membrane body. The membrane also comprises graphene oxide disposed on a surface of the membrane body. An array comprising two or more such composite membranes is also disclosed. A method of preparing the composite membrane is also disclosed. Further, a method of removing natural organic matter (NOM) from NOM-contaminated water, or water suspected of being contaminated with NOM, is disclosed.

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